

— CONFIDENTIAL —

955847

INTEGRATED ASSESSMENT PLAN

FOR:

Grieves Woolen Mill

PREPARED BY:

SITE ASSESSMENT UNIT
DIVISION OF LAND POLLUTION CONTROL
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
2200 CHURCHILL ROAD
SPRINGFIELD, ILLINOIS 62794

US EPA RECORDS CENTER REGION 5



490483

CONTENTS

- I. SITE INFORMATION
 - General Information
 - The Assignment
 - Site Description
 - Site History
- II. SAFETY CONSIDERATIONS
 - Physical Hazards
 - Chemical Hazards
 - Personal Protection
 - Emergency Information
- III. FIELD ACTIVITIES
 - Team Assignments
 - Field Work Proposed
- IV. SAMPLING
 - Procedures
 - Locations
 - Analysis
- V. ATTACHMENT
 - Documents Generated
 - Site Map
 - Projected HRS Scores

EA and SI
Start
- 7610 -
W.C.

I. SITE INFORMATION

I. GENERAL

Site Name: Grieves Woolen Mill

ILD# 122318678

Site Location: Lacon, IL

LPC# 1110305003

NE 1/4 of Section 35,
Township 30N, Range 3W
Marshall County

Work plan prepared by:
Ted Prescott

Estimated inspection date: April 25-26, 1995

Work plan approved by:

Sonia R. Vega
4/19/95

II. THE ASSIGNMENT (briefly describe the objectives of the inspection and how they are going to be accomplished.)

The purpose of an Integrated Assessment is to document site contamination and identify the potential migration pathways contaminants may be transported. Soil/sediment and groundwater samples will be collected during the IA to be used to evaluate the impact of contamination on the environment and the surrounding population.

III. SITE DESCRIPTION (briefly describe the site, including location, unique geological features, source(s) of contamination, methods of disposal and current status of activities.)

Grieves Woolen Mill is located in Lacon, IL in the northeast 1/4 of Section 35, Township 30N, Range 3W in Marshall County. The Woolen Mill facility covers an area of approximately 300,000 square feet. The mill is bordered on the northwest by a marina and on the north by a restaurant. Main Street, running north/south, is on the east side and separates the woolen mill property from a residential neighborhood. There are residences and an open field to the south, and the Illinois River marks the west edge of the property.

The topography of the site and surrounding area is moderately sloping to the west and southwest towards the river. Just south of the property is Sawyer Slough and its associated wetlands. There is a flood plain varying from around 50ft to approximately 100ft in width. The flood plain ends with a bluff rising approximately 15 to 20 feet up to the active area of the property. The whole area is partially covered by building debris (bricks, concrete, etc), and other debris (tires, metal products, etc).

The mill had several buildings associated with their operation. Many of the structures have been destroyed by nature or been demolished by the previous owners for safety reasons. Most of the debris previously mentioned came from these a buildings.

The primary sources of contamination are from the materials used in the making of the dyes, chromium and antimony for example. Other concerns are from the discharge of transformer oils while demolishing the buildings. Discolored soils indicate potential areas of concern.

IV. SITE HISTORY (briefly describe the history of the site including previous owners, reported injuries, complaints, govt. action).

Grieves Woolen Mill was formerly known as Lacon Woolen Manufacturing Company. The name was changed sometime prior to 1899 to John Grieves and Sons Woolen Mill. It has been in operation from approx 1860 until the late 1960's. The property changed ownership and ran for approximately 1 year and finally shut down.

At this time, the property was purchased by the Jolliffs. They utilized some of the buildings for a farm implement dealership. A portion of the property, including part of the original structure was sold to Lacon Seal Company. They make parts for diesel engines.

The property was then given to the City of Lacon on November 1, 1994. The city has a high police visibility to keep trespassers (kids) out. The City of Lacon hopes to develop this property into a marina, condominiums and shops.

The Woolen mill took raw wool and cleaned, dyed, spun and wove it into felts and other woolen products. The company made their own dyes. The dyes contained tin, antimony and chromium, among other substances. Sulfuric acid was utilized as well, and a 1000gal tank had allegedly leaked its contents into the soil.

This site does not fall under RCRA, and there are no previous violations identified with the property. At this time, there is a Congressional Order in effect to perform the necessary measures to establish if any potential contamination exists on site.

II. SAFETY CONSIDERATIONS

I. PHYSICAL HAZARDS AT SITE (briefly describe any physical hazards that the inspection team may encounter at the site).

During sampling activities caution must be taken because of the

extremely poor condition of the structures. Loose debris covering the ground will make walking difficult. Air monitoring and readings will be conducted using a HNU. Caution also must be taken during sampling in regards to soil contact because of the possible presence of organics and metals.

II. CHEMICAL HAZARDS AT SITE (briefly identify those chemicals that are known or are suspected to be present, include their state and physical characteristics).

Metals and potential PCB's are the primary concern. The metals may be in the soils and sediments, and the PCB's may be in a small soil area.

III. DERMAL AND RESPIRATORY PROTECTION (identify the level of personal protection that will be used, including anticipated modifications).

Level D protection will be used at all times, with continuous air monitoring during the sample collection. If an increase occurs, the following will be implemented: 0-5 units over background Level C

5-50 units over background Level B

50-500 units over background Level A

IV. EMERGENCY INFORMATION

Nearest Hospital: Proctor Hospital

Hospital Location: 5409 North Knoxville Ave.
Peoria, IL

Ambulance Service: Lacon Sparland Ambulance Service 309-943-4431

Fire Service: Lacon Sparland Fire Dept. 309-246-2435

Police: Lacon Police Dept. 309-246-2325

Sheriff Marshall County 309-246-2115

III. FIELD ACTIVITIES

I. TEAM ASSIGNMENTS

NAME	Responsibility
Ted Prescott	Project Manager
Bruce Everetts	Safety Officer/Sampler
Mark Wagner	Sampler
	Sampler
	Chain of Custody

II. FIELD WORK PROPOSED
(check all that apply)

Activity	Procedures
X Ambient Air Sampling (OVA, HNU, etc.)	IEPA Methods Manual pp.19-23
X Groundwater Sampling	IEPA Methods Manual pp.1-5
Surface Water Sampling	IEPA Methods Manual pp.6-10
X Soil/Sediment Sampling	IEPA Methods Manual pp.13-18
Tap Water Sampling	IEPA Methods Manual pp.11-12
X Slope Determinations	IEPA Methods Manual pp.24-25
X Water Level Measurements	IEPA Methods Manual p.31
X Perimeter Survey	IEPA Methods Manual p.33
X Site Inspection	IEPA Methods Manual pp.34-39
Soil Borings/Well Installation	IEPA Methods Manual pp.26-30
X Public Interviews	IEPA Methods Manual p.40
Groundwater Flow Determination	IEPA Methods Manual p.32
X Decontamination Procedures	IEPA Methods Manual pp.41-56
Others:	

IV. SAMPLING

I. PROCEDURES (briefly describe the procedures the inspection team will employ in their collection of environmental samples).

All samples will be collected in accordance with the Illinois Environmental Protection Agency's Site Inspection QAPP. Well samples will be collected with teflon bailers and the soil/sediment samples will be collected with stainless steel spoons.

II. LOCATION OF SAMPLES (identify the number of samples, their type and their location. The attached map should identify these locations).

Sample	Type	Justification
X101	soil	soil background
X102	soil	source/suspected spill
X103	soil	suspected spill
X104	soil	soil duplicate (X103)
X105	soil	source/suspected spill
X106	soil	source/suspected spill
X107	soil	source/suspected spill
X108	soil	source/suspected spill
X109	soil	source/suspected spill
X110	soil	residential/ target
X201	sediment	sediment background
X202	sediment	suspected run-off route
X203	sediment	suspected run-off route
X204	sediment	sediment duplicate (X203)
X205	sediment	potential target

III. ANALYTICAL SERVICES (identify the laboratory that will perform the analysis of the samples taken at the site, include requested analysis)

The soil and sediment samples will be analyzed for the target compound list by laboratories not yet assigned from the Contract Laboratory Program.

ATTACHMENT I

RECORDS AND DOCUMENTATION (Check the records or documents that will be generated during this project)

- X Work Plan
- X Safety Plan
- X Sampling Plan
- X Equipment Checklist
- X Log Book
- X Chain of Custody Records
- X Sample Analysis Records
- X Photographs
- Drilling Logs
- X Correspondence
- X Personal Interview Tapes or Transcripts
- X Maps
- Instrument Calibration Records
- Procurement Documents
- X Site Inspection Form (2070-13)
- X HRS Scoring Package
- Other (specify)
- Other (specify)

X201 Background
S. of Milling

PROJECTION OF NORTH LINE OF LOTS 7 & 8, BLOCK 4



X202

X103 + X104
Dupe

X203 &
X204 Dupe

X205
Sawyer Slough



Grieves Woolen Mill
Sample Plan

X101
Back ground
at Johnson Creek